BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Improvements to Roads and Drains at Basappa House Road, Muneshwara Layout and Beside Aproova Apartment in Ward No. 10, Doddabommasandra, Vidyaranyapura Sub Division.**

	010-17-000006		P-3173		Estimate Cost:			2500000.00	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork **excavation by manual means in ordinary soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **Page No. 142 / Item No. 19.1, PWD SR 2016-17**	cum							
	Basappa House Road R/S		1	100.00	1.00	0.90	90.00		
	Aproova Apart behind Penchalaiah House Road		2	100.00	1.00	0.90	180.00		
	Bakery Road		1	100.00	0.60	0.30	18.00		
	Muneshwara Block		2	82.00	0.60	0.30	29.52		
	Basic Rate	82.00					**317.52**	199.36	**63302.00**
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 / km= 38.08	38.08							
		188.08							
	Area Weightage @ 6%	11.28							
	Total	**199.36**							
2	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.3 of PWD SR 2016-17**	Cum							
	Basappa House Road		1	100.00	1.00	0.15	15.00		
	Aproova Apartment behind Penchalaiah House Road		2	100.00	1.00	0.15	30.00		
	Basic Rate	4867.00					**45.00**	5159.02	**232156.00**
	Area Weightage @ 6%	292.02							
	Total	**5159.02**							
3	Providing and laying **cement concrete** using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete **(RMC) M 20** for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, **for raft foundation column footing , main and secondary beams** with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) **Page No. 18, Item No. 4.48, PWD SR 2016-17**	Cum							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Basappa House Road Bottom Concrete		1	100.00	0.90	0.15	13.50		
	Kaveroova Apat behind Penchalaiah House Road		2	100.00	0.90	0.15	27.00		
	Side Wall		2	100.00	0.15	0.60	18.00		
			4	100.00	0.15	0.60	36.00		
	Basic Rate	5879.00					**94.50**	6231.74	**588899.00**
	Area Weightage @ 6%	352.74							
	Total	**6231.74**							
4	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - **TMT bars Fe 500 Page No. 17 / Item No. 4.46.2, PWD SR 2016-17**	Tonne							
	For RCC Drain @ 60 Kg / Cum		0.06	94.50			**5.67**	59413.00	**336872.00**
	Basic Rate	56050.00							
	Area Weightage @ 6%	3363.00							
	Total	**59413.00**							
5	KSRB 4-6.4 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No. 15 / Item No. 4.31 PWD SR 2016-17**	Sqm							
	Side Wall		4	100.00		0.60	240.00		
			2x4	100.00		0.60	480.00		
	Basic Rate	293.00					**720.00**	310.58	**223618.00**
	Area Weightage @ 6%	17.58							
	Total	**310.58**							
6	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete **Page No. 25 / Item No. 5.31.1 PWD SR 2016-17**	Sqm							
	For Covering Slab		2	100.00		0.90	180.00		
			2	100.00		0.90	180.00		
	Muneshwara Block		2	82.00		0.90	147.60		
	Basic Rate	628.00	**282.00**				**507.60**	665.68	**337899.00**
	Area Weightage @ 6%	37.68							
	Total	**665.68**							
7	KSRB 5-9 : Providing chamfering edges to stone slab 2.5 cms. wide as per specifications. (only chamfered length shall be recorded) KBS 5.1.13 **Page No. 24 / Item No. 5.22, PWD SR 2016-17**	m							
			940	3.00			**2820.00**	37.10	**104622.00**
	Basic Rate	35.00							
	Area Weightage @ 6%	2.10							
	Total	**37.10**							

Sl No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
8	KSRB 5-8.2 : Providing two line dressing to granite stone slab / granite stone masonry as per specifications. KBS 5.1.13 **Page No. 24 / Item No. 5.18, PWD SR 2016-17**	Sqm							
			Qty Vide Item No. 6				507.60		
	Basic Rate	909.00					**507.60**	963.54	**489093.00**
	Area Weightage @ 6%	54.54							
	Total	**963.54**							
9	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills**, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.6 PWD SR 2016-17**	Cum							
	Covering Slab Ramp		2	100.00	0.30	0.10	6.00		
			2	100.00	0.30	0.10	6.00		
			2	82.00	0.30	0.10	4.92		
	Basic Rate	5441.00					**16.92**	5767.46	**97585.00**
	Area Weightage @ 6%	326.46							
	Total	**5767.46**							
	Sub Total								**2474046.00**
	For Third Part QC inspection Charges @ 1%								**24740.00**
	Miscellaneous and other Charges	L/S							**1214.00**
								Total	**2500000.00**
	Rupees Twenty Five Lakh(s) Only								

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2016-17.
3 This work included under 2016-17 P3173 Grants.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative Approval
Accorded For 25.00 lakh Rs.
Head of A/C P3173
CER NO : 212 Dt:27.2.17

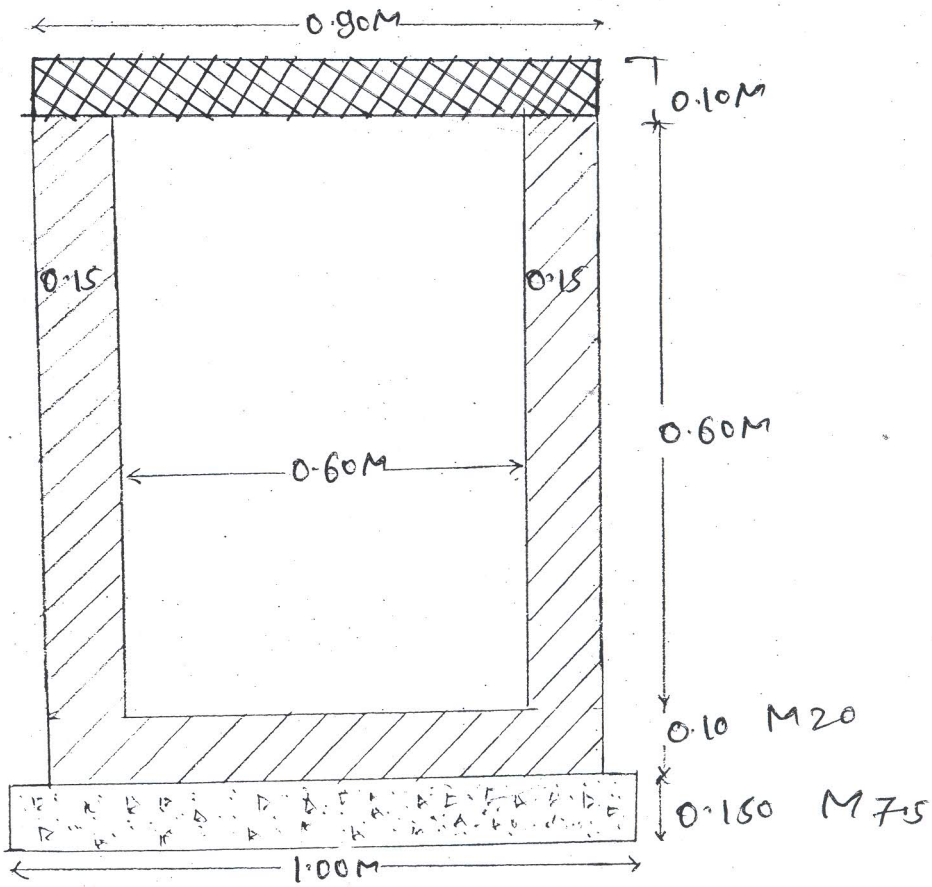
TA CE (YNK)

Technical Sanction
Accorded For 25.00 lakh Rs.
Head of A/C P3173
CER NO 146 (146) Dt:27.2.17

TA CE (YNK)

Name of Work: Improvements to Roads and Drains at Busappa House Road, Muneshwara Layout and Beside Aproova Apartment in Ward No. 10, Doddabommasandra.

Jodhaa
AE



CROSS SECTION OF CC DRAIN

Jadhav
AE